

# Notice of Allowability

Application No.

10/525,190

Examiner

Tuyen Q. Tra

Applicant(s)

FUJIMATSU ET AL.

Art Unit

2873

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/02/2005.
2. ☒ The allowed claim(s) is/are 1-11.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 0205
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## **DETAILED ACTION**

### ***Reason For Allowance***

1. Claims 1-11 are allowed.

2. Following is an examiner's statement of reasons for allowance:

The prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitations of the independent claim(s), in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented in independent claim 1, which include an instruction unit for instructing either the direction for the imaging unit to move or the direction for the face direction of the person to be authenticated to move, so as to acquire the eye image having no eyeglass reflection on the basis of the relative positions between the position of the pupil and the position of the eyeglass reflection, in case the eyeglass reflection detecting portion detects the presence of the eyeglass reflection.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a) Yamada et al. (US Patent 5,561,289 A) discloses a device for detecting line of sight in figure 7 with teaching of sight line detecting means for detecting the line of sight

by processing of an eyeball image signal generated from an image of an eyeball of an observer; discrimination means for discriminating whether the detection by said sight line detecting means is proper; and control means for causing said sight line detecting means to again effect the detection of the line of sight by another processing of an eyeball image signal, in the event that said discrimination means identifies that the result of a previous detection is improper; however, Yamada does not teach or fairly suggest an instruction unit for instructing either the direction for the imaging unit to move or the direction for the face direction of the person to be authenticated to move, so as to acquire the eye image having no eyeglass reflection on the basis of the relative positions between the position of the pupil and the position of the eyeglass reflection, in case the eyeglass reflection detecting portion detects the presence of the eyeglass reflection.

b) Hay et al. (US Patent 6,095,989 A) discloses a plurality of methods of analysis of image of eyes of a subject taken by a reflex photometer are disclosed in which a computer coupled to the reflex photometer is programmed to locate the pupil of one eye crop an image array containing the pupil from the total image and perform analyses on the cropped array to determine whether conditions are present indicative of disease processes in the eye; however, Hay et al. does not teach or fairly suggest an instruction unit for instructing either the direction for the imaging unit to move or the direction for the face direction of the person to be authenticated to move, so as to acquire the eye image having no eyeglass reflection on the basis of the relative positions between the

Art Unit: 2873

position of the pupil and the position of the eyeglass reflection, in case the eyeglass reflection detecting portion detects the presence of the eyeglass reflection.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuyen Q. Tra whose telephone number is 571-272-2343. The examiner can normally be reached on 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky L. Mack can be reached on 571-272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TT

February 27, 2007

DAVID SPECTOR  
PRIMARY EXAMINER

*[Handwritten Signature]*  
3/05/07